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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,768	12/13/2001	James M. Florence	SLA0353	6859

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EXAMINER

BELL, PAUL A

ART UNIT PAPER NUMBER

2675

DATE MAILED: 08/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/022,768

Applicant(s)

FLORENCE, JAMES M.

Examiner

PAUL A BELL

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2675

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 12 May 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-20 is/are allowed.
- 6) ☒ Claim(s) 1-3 and 6 is/are rejected.
- 7) ☒ Claim(s) 4, 5, and 7-10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 3, and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Kim (6,771,233).

With regard to claim 1 Kim teaches a two-panel reflective liquid crystal display projection system (figure 2 , items 204 and 205 and figure 7, items 705 and 706) comprising: a screen adapted for displaying red, blue and green light (figure 2 item 203 figure 7 item 708); a polarized light beam splitter (figure 2, item 207 and figure 7, item 704); a first liquid crystal display panel that receives light from said polarized light beam splitter and which provides a sequence of red, blue and green light to said screen (figure 2, item 204 figure 7, item 705); and a second liquid crystal display panel that receives light from said polarized light beam splitter and which provides a sequence of red, blue and green light to said screen ((figure 2, item 205 figure 7, item 706), wherein said sequence provided by said second liquid crystal display panel is provided simultaneous to and staggered with respect to said sequence provided by said first liquid crystal display panel, such that at least two colors of red, blue and green light are simultaneously displayed on said screen (abstract and column 4, lines 1-25).

With regard to claim 2 Kim teaches the system of claim 1 further comprising: a light source that provides red, green and blue light (figure 7, item 701); and a color switch adapted for rotating an orientation of red, blue and green light incident thereon from said light source and passing said light to said polarized light beam splitter (figure 7, item 703).

With regard to claim 3 Kim teaches the system of claim 1 further comprising: a color switch adapted for rotating an orientation of red, blue and green light incident thereon from said polarized light beam splitter and passing said light to said screen (figure 1, item 703).

With regard to claim 6 Kim teaches the system of claim 2 wherein said light source provides S-oriented red, blue and green light, said polarized light beam splitter re-directs S-oriented light and passes P-oriented light from said color switch, and wherein said polarized light beam splitter redirects S-oriented light and passes P-oriented light provided from said first and second liquid crystal display panels (figure 7, items S and P).

*Allowable Subject Matter*

3. Claims 4, 5, and 7-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
4. Claims 11-20 are allowed.
5. The following is a statement of reasons for the indication of allowable subject matter:

With regard to apparatus claim 11 the prior art of record in this case does not teach or suggest, “a **second** color switch adapted for rotating an orientation of a color band of light incident on said second color switch, wherein said second color switch is positioned to receive light provided **simultaneously from said first and second** liquid crystal display panels “, in combination with all the other limitations of the claim as illustrated in figure 1, item 24.

With regard to method claim 17 the prior art of record in this case does not teach or suggest, “and providing a **second** color switch for receiving **light from said first and second** liquid crystal display panels and operating said second color switch to rotate said orientation of

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a color band received by said second color switch", in combination with all the other limitations of the claim as illustrated in figure 1, item 24.

***Response to Arguments***

6. Applicant's arguments with respect to claim 1 have been considered but are moot in view of the new ground(s) of rejection.

**Conclusion**

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Bell whose telephone number is (703) 306-3019.

If attempts to reach the examiner by telephone are unsuccessful the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377 can help with any inquiry of a general nature or relating to the status of this application.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Or Faxed to: (703) 872-9306

Or Hand-delivered to: Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor  
(Receptionist).

  
Paul Bell

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August 4, 2004

  
CHANH NGUYEN  
PRIMARY EXAMINER